

**Project WET  
Connections to  
KY Core Content 4.1**

**Is There Water on Zork? p.43**

**Elementary**

**Science**

SC-EP-1.1.1

Students will classify materials objects by their properties providing evidence to support their classifications.

Objects are made of one or more materials such as paper, wood and metal. Objects can be describes by the properties of the materials from which they are made. Those properties and measurements of the objects can be used to separate or classify objects or materials.

**Middle**

**Science**

SC-07-1.1.2

Students will:

- classify elements and compounds according to their properties;
- compare properties of different combinations of elements.

Observations of simple experiments illustrate that the atoms of chemical elements do not break down during normal laboratory reactions such as heating, exposure to electric currents, or reaction with acids. Elements combine in many ways to produce compounds. Common patterns emerge when comparing and contrasting the properties of compounds to the elements from which they are made. Understanding of these patterns allows for evidence- based predictions of new or different combinations of elements/compounds.

DOK 2

**High School**

**Mathematics**

MA-HS-4.3.2

Students will design simple experiments or investigations to collect data to answer questions of interest.

**Science**

SC-HS-1.1.5

Students will explain the role of intermolecular or intramolecular interactions on the physical properties (solubility, density, polarity, conductivity, boiling/melting points) of compounds.

The physical properties of compounds reflect the nature of the interactions among molecules. These interactions are determined by the structure of the molecule including the constituent atoms. DOK 2